

END IDLING IN YOUR FLEET

ENGINES CAN'T POLLUTE AT **ZERO RPM**
IDLE MITIGATION SYSTEMS®

AC 00-24-12K

The AC 00-24-12K is a DC air conditioning unit that provides operators with engine-off A/C when powered by a ZeroRPM *Lithium-Iron Energy Module. Not only does this product offer improved comfort, but it reduces the need to run the vehicle's engine to power the A/C system. This translates to reduced operating costs for your fleet and protects the environment.

Note: This product requires other ZeroRPM IMS components. Reference ZeroRPM.com/systems for more information.

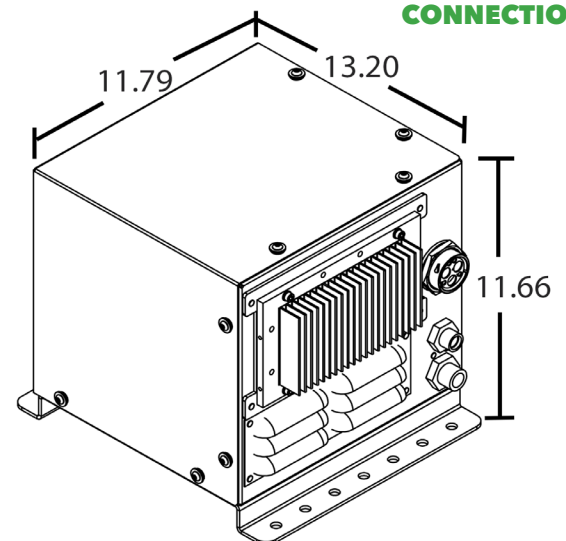
*"Lithium-Iron" is marketing term for ZeroRPM's LiFeMnPO4 packaged energy storage systems.

SYSTEM BENEFITS:

- IMPROVE OPERATOR SAFETY
- ENGINE-OFF AIR CONDITIONING
- REDUCE OPERATING COST
- PROTECT THE ENVIRONMENT
- LIGHT WEIGHT
- SMALL FORM FACTOR

SPECIFICATIONS:

Cooling Capacity	~11,800 BTU (at target evaporator and condenser temp.)
Nominal Input Voltage	~25.6V
Input Voltage Range	24.4V - 30.4V
Product Housing Material	Powder-coated Galvanneal
Weight	~35 lbs / ~15.88 kg
A/C Fitting Sizes	#8-MIO Pressure/ #10-MIO Suction
Compatible Freon Types	R-1234YF or R134a
System Protection Fuse	60A
Nominal Current Consumption	29-32A
Max Current Consumption	35A



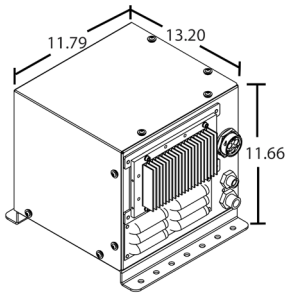
Ask for ZeroRPM® Idle Mitigation Systems® WHERE you purchase your fleet vehicles

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AC 00-24-12K

ALL DIMENSIONS
ARE IN INCHES

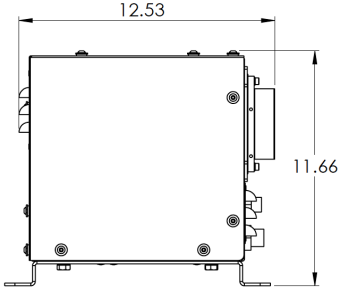


7 PIN
PRODUCT
INTERFACE
CONNECTOR

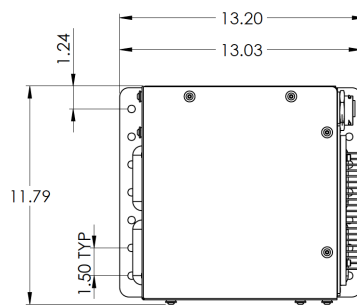
6" CLEARANCE
NEEDED FOR
CONNECTIONS

FOR WIRING OF THE SYSTEM
PLEASE REFERENCE THE
SYSTEM SCHEMATIC

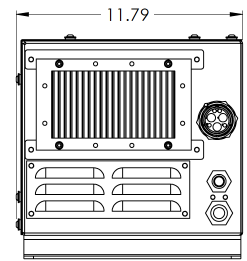
FRONT



TOP



SIDE



PRODUCT NOTES:

- The unit must be mounted securely and upright.
- In shipping or storage, do not stack more than one product on top of one another (i.e. two unit stack maximum).
- The unit must be mounted so the lid is removable.
- The unit must be mounted as closely to the loads and supply as possible.
- There must be adequate provisions for drainage below the unit to prevent flooding.
- There must be at least 6" of clearance for the main power connectors and/or A/C lines.
- Wash-down requirements: Do not pressure-wash the unit below 10° (horizontal) into the vents. Do not pressure-wash any closer than 12" from the unit.
- The A/C lines must not be left uncapped longer than 15 minutes.
- The unit must be mounted in a well-ventilated compartment. In extreme hot or cold environments, it is ideal to mount the unit in a temperature controlled compartment.
- The unit can operate up to a 45° angle from vertical orientation.
- The unit must be mounted with vibration-dampening material. The material must be installed between the unit's feet and the mounting surface.
- To ensure proper air flow, the filter on the unit should be cleaned every 6 months in external or unfiltered environments. Filter should be cleaned annually, or as specified by internal procedures, if in a filtered environment.
- Do not run the IMS without charging the A/C system.
- Do not put the unit on its side or upside down without written approval from ZeroRPM.
- Excessive oil in the A/C circuit could harm the A/C system and reduce performance.
- Use only PVE oil in the A/C circuit of the system.